Ontario Ministry of Northern Development and Mines

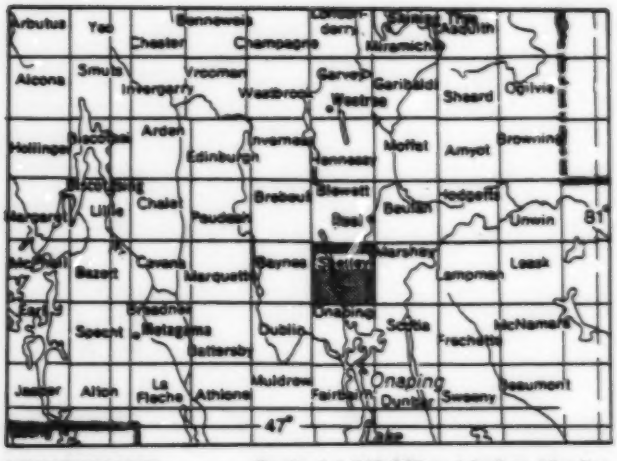
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 528

SHELLEY TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploration Minerals

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

91-02403/

NTS Number 41 P/3/4

Mining Claim Map Number M.1111

This project was funded under the CAnada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Shelley Township, Geological Data Inventory Folio 528; compiled by the staff of the Resident Geologist's office, Sudbury.

Original Compilation by: Jerome, Lucille, August 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	No	L.J.
10	GSC Index to Publications	No	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	No	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	No	L.J.
16	ODM Geological Circulars: OGS Study Series, Reports	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	No	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . .Cadmium
- △ calc. . . . . .Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- △ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- ▲ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . .Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur. . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

SHELLEY TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Rockwin Mines Ltd., Marshay Occurrence, Ruel Zinc Prospect, Zinc Lake Prospect	Pb, Zn, Ag, Cu		MRC 2, p.99 MRC 12, p.265	Shelley 0013

GDIF FORM NO. 1

4

SHELLEY TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Rockwin Mines Ltd. (Shelley 0010)				55															
2	Trans-Canada Exploration Ltd. (Shelley 0011)	55																		
3	West Malartic Mines Ltd. (Shelley 0012)		55		55												55			
4	Zenmac Metal Mines Ltd. and Zinc Lake Mines Ltd. (Shelley 0013)	58			58	58		53 54												
5	Rio Tinto Canadian Exploration Ltd. (Marshay 0014)								79											

GDIF FORM NO. 2

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Rockwin Mines Ltd.	3	1955	344	45	5	351	py, po	
		4	1955	164	45	5	301	gt,py,po	Ag,Cu,Pb,Zn, Au
2		6	1955	165	45	10	264		
3		8	1955	165	45	5.4	247	py,po	
		9	1955	345	45	8	197.5	py,po,cp	
4		11	1955	345	45	10	275	py,po	
5		13	1955	345	45	12	252	py,cp	
6		14	1955	165	45	12	20		
7		15	1955	165	45	11	280	py	
8	West Malartic Mines Ltd.	1	1955	340	45	9	358	py,po,cp	
9		2	1955	340	45	17	327	py,po,cp,sp,gn	
10		3	1955	340	45	16	302	po,py,cp	
		4	1955	340	45	9	279	py,po,cp	
		5	1955	340	45	21	320	py,po	
11		6	1955	340	45	9	307	py,po,cp,sp,gn	
12		7	1955	340	45	12	307	py,po,cp	
		8	1955	340	45	9	299	py,po	
		9	1955	340	45	13	401	py,po	
13		10	1955	340	45	42	305	po	
14	Zenmac Metal Mines Ltd.	58-2	1958	335	45	8	196	py,Zn,gn,po	Au,Ag,Zn,Pb
15		58-3	1958	350	45	8.7	183	py,po,cp	Au,Ag,Zn,Pb
16		58-4	1958	345	45	12	166	py,po,cp,gn	Au,Ag,Zn,Pb
17		58-5	1958	345	45	7	156	po,py	Au,Ag,Zn,Pb
18		58-6	1958	350	45	4	164.6	py,po,Zn,gn	Au,Ag,Zn,Pb

GDIF FORM NO. 3

SHELLEY TOWNSHIP 6

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
5	Aerodat Ltd. Rio Tinto Canadian Exploration Ltd.	Airborne magnetometer	36.6 m	N/S	161 m

GDIF FORM NO. 4

SHELLEY TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Soil Sampling	Base metals	West Malartic Mines Ltd.	Shelley 0012

GDH FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Resul

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional Resident Geologist's Office

No data on file, August 31, 1988

SHELLEY TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched:

MARSHAY OCCURRENCE
RIO TINTO CANADIAN EXPLORATION LTD.
ROCKWIN MINES LTD.
RUEL ZINC PROSPECT
SHELLEY TOWNSHIP
TRANS-CANADA EXPLORATION LTD.
WEST MALARTIC MINES LTD.
ZENMAC METAL MINES LTD.
ZINC LAKE MINES LTD.
ZINC LAKE PROSPECT

Index Volume	Listing:	Report Volume	Part	Page
2	Trans-Canada Exploration Co. Capital and date of charter	33	1	47
5	Zenmac Metal Mines Ltd. Incorporated	62	1	59
5	Zinc Lake Mines Ltd. Change of name	62	1	61
6	Rockwin Mines Ltd. Change of name	65	1	39
6	Trans-Canada Exploration Ltd. Incorporated	65	1	35
6	West Malartic Mines Ltd. Licensed	65	1	37
7	Rockwin Mines Ltd. Mining property, Marshay and Shelley Tps., report	MRC 2		99
8	Zinc Lake Prospect Marshay Tp., Sudbury Dist. mining property, report on	MRC 12		256

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

SHELLEY TOWNSHIP

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D.	1967	Westree Sheet	ODM Map P.300	1" = 2 miles
Card, K.D., Lumbers, S.B.	1974,75	Sudbury-Cobalt Geological Compilation (revised)	OGS Map 2361	1" = 4 miles
		GEOPHYSICAL MAPS		
GSC - ODM	1965	Aeromagnetic Map - Thor Lake	1520G	1" = 1 mile
	1965	Aeromagnetic Map - Low Water Lake	1526G	1" = 1 mile
Gupta, V.K.	1981	Bouguer Gravity and Generalized Geological Map of the Gogama-Gowganda Area	OGS Map P.2481	1:100 000
ODM - GSC	1965	Aeromagnetic Map - Gogama Sheet	7076G	1" = 4 miles
	1979	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Gogama	Map 80 374	1:250 000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
EMR	1975	Topographic Map - Thor Lake	41 P/3	1:50 000
	1975	Topographic Map - Low Water Lake	41 P/4	1:50 000
Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Westree NOEGT Study 88, Westree Area	Map 5022	1:100 000
Sado, E.V., Carswell, B.F.	1987	Surficial Geology of Northern Ontario	Map 2518	1: 1 200 000

GDIF FORM NO.9

SHELLEY TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet and Part of Ville-Marie Sheet	OGS Map P.1514	1:250 000
		GEOCHEMICAL MAPS		
		No data available as of September 10, 1988		
		GEOLOGICAL REPORTS AND MAPS		
Shklanka, R.	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	
Thomson J.E.	1960	Uranium and Thorium Deposits at the Base of the Huronian System in the District of Sudbury, Ontario	GR1	
Thomson, J.E., et al	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario	MRC 2	
		JOURNALS, ARTICLES, THESES AND TECHNICAL REPORTS		
Eade, K.E.	1950	The Huronian Rocks of Northwestern Ontario; M.Sc., McGill University	MP 2	
Hadley, D.G.	1968	The Sedimentology of the Huronian Formation Ontario and Quebec, Canada	Theses on File	
Lindsey, D.A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	GSA Bull. 80	pp.1685-1702
Siemiatkowska, K.M.	1971	Bibliography on Huronian Geology Covering the Region from Sault Ste. Marie to the Grenville Front	Theses on File	

GDIF FORM NO.9

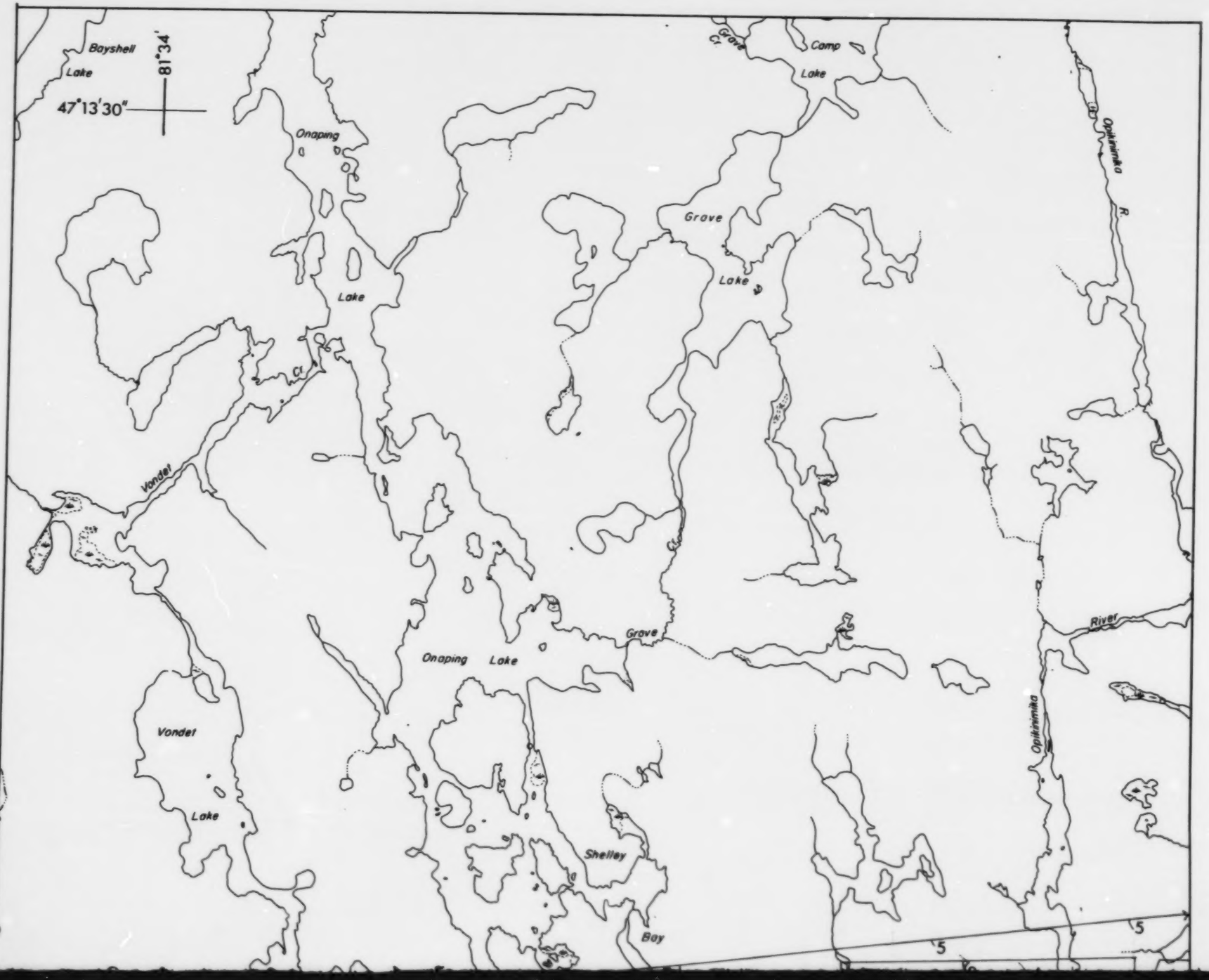
NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

SCALE 1" = 1/4 mile

Year	Roll	Line	Number
1970	20	4709	71
	20	4708	5-6
	20	4707	224

GDIF FORM NO.30



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 528

(Map 1 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

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ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

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(Map 1 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FOLIO 528

(Map 1 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

GEOLOGICAL DATA INVENTORY FOLIO 528

(Map 1 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

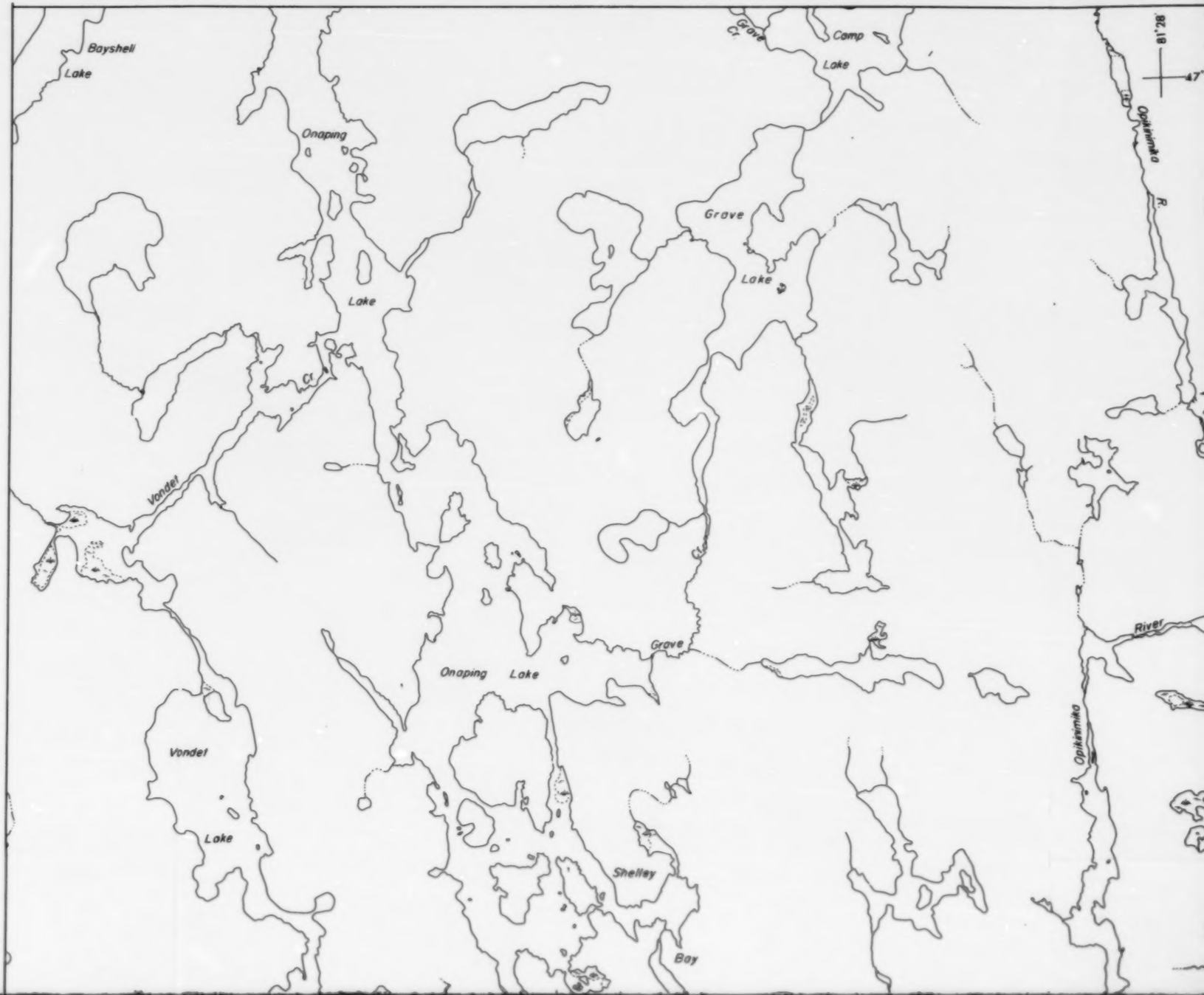
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ■ Geochemical sample site, with reference number
- □ Area of geochemical sampling, with reference number
- □ Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- □ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- □ AEM — Airborne electromagnetic anomaly
- □ Airborne electromagnetic anomaly
  Conductor axis
- □ ARA — Airborne radiometric anomaly
- □ M — Ground magnetic anomaly
- □ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16; EM - Undefined)
- □ RA — Ground radiometric anomaly
- □ IP — Induced polarization anomaly
- □ SP — Self potential anomaly
- □ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ■ R — Resistivity anomaly
- □ GR — Gravity anomaly

MISCELLANEOUS DATA



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 528

(Map 2 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with

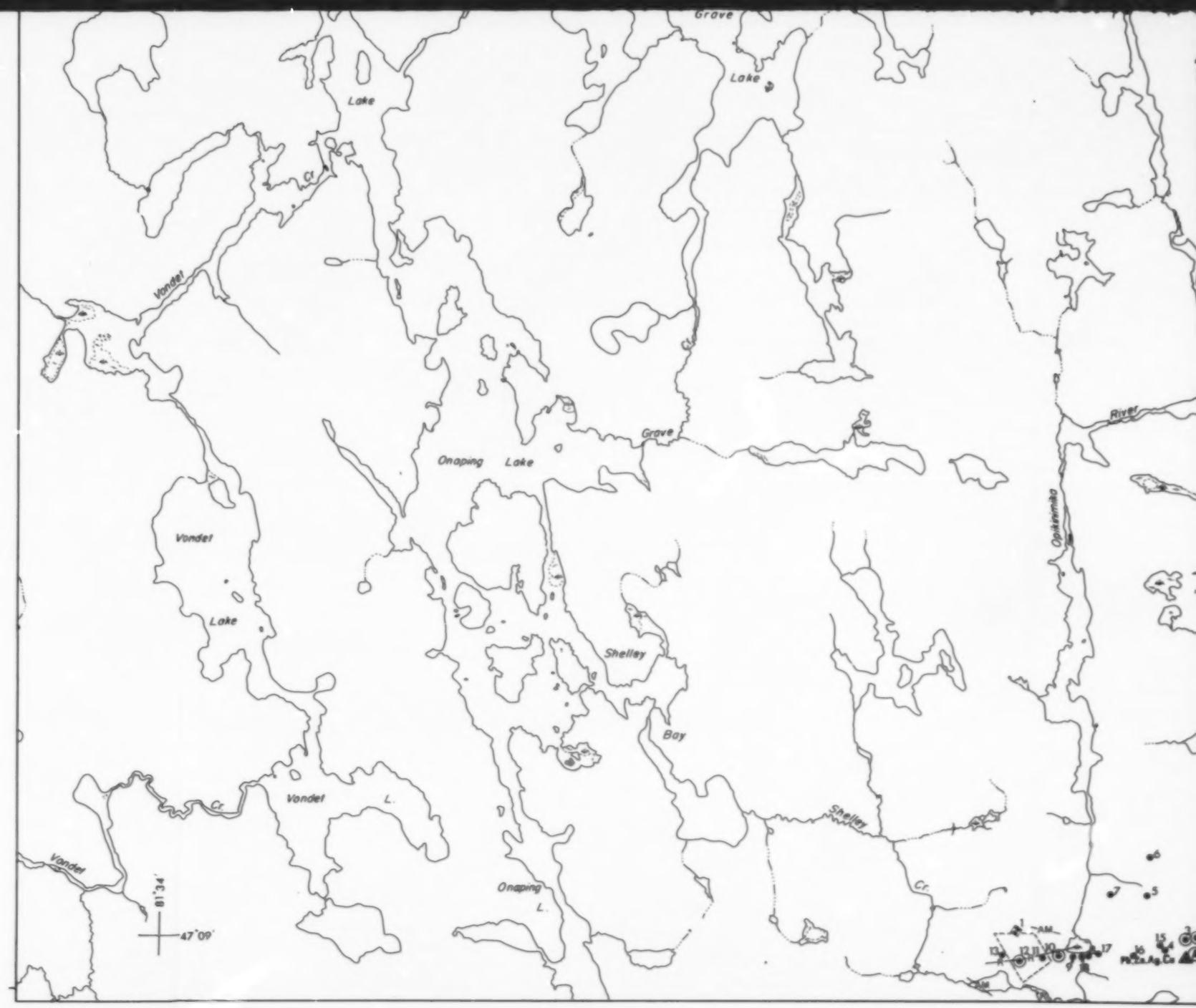
GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- □ — Airborne electromagnetic anomaly
  Length of anomaly along flight line
- □ AEM — Airborne electromagnetic anomaly
- □ — Airborne electromagnetic anomaly
  Conductor axis
- □ ARA — Airborne radiometric anomaly
- □ M — Ground magnetic anomaly
- □ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16; EM - Undefined)
- □ RA — Ground radiometric anomaly
- □ IP — Induced polarization anomaly
- □ SP — Self potential anomaly
- □ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ■ R — Resistivity anomaly
- □ GR — Gravity anomaly

MISCELLANEOUS DATA

- □ — Trenching, pit
- □ — Adit
- □ — Open pit
- □ — Rock quarry
- □ — Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



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(Map 2 of 2)

SHELLEY TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number